

# SEQUENCE LISTING

<110> Francois, Cedric

<120> COMPOSITIONS AND METHODS FOR TREATING ORGANS

<130> 09799910-0042

<150> 60/429,435,

<151> 2002-11-27

<160> 8

<170> PatentIn version 3.2

<210> 1

<211> 399

<212> DNA

<213> Artificial sequence

<220>

<223> synthetic sequence

<400> 1

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ctaccacctg gtctggccag tacgttggtg gtgctgaagc tcgtatcaac acccagtggc      300
tgctgacctc tgggtaccacc gaagctaacg cttggaaatc taccctgggt gggtcacgaca      360
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<210> 2

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<212> PRT

<213> Artificial sequence

<220>

<223> amino acid sequence as encoded by SEQ ID NO:1

<400> 2

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Thr Phe Ile Val Thr Ala Gly Ala Asp Gly Ala Leu Thr Gly Thr Tyr
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Glu Ser Ala Val Gly Asn Ala Glu Ser Arg Tyr Val Leu Thr Gly Arg
          35          40          45

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Tyr Asp Ser Ala Pro Ala Thr Asp Gly Ser Gly Thr Ala Leu Gly Trp  
 50 55 60

Thr Val Ala Trp Lys Asn Asn Tyr Arg Asn Ala His Ser Ala Thr Thr  
 65 70 75 80

Trp Ser Gly Gln Tyr Val Gly Gly Ala Glu Ala Arg Ile Asn Thr Gln  
 85 90 95

Trp Leu Leu Thr Ser Gly Thr Thr Glu Ala Asn Ala Trp Lys Ser Thr  
 100 105 110

Leu Val Gly His Asp Thr Phe Thr Lys Val Lys Pro Ser Ala Ala Ser  
 115 120 125

Ile

<210> 3  
 <211> 604  
 <212> DNA  
 <213> Gallus gallus

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 aaagtgctcg ctgactggga aatggaccaa cgatctgggc tccaacatga ccatcggggc 180  
 tgtgaacagc agaggtgaat tcacaggcac ctacatcaca gccgtaacag ccacatcaaa 240  
 tgagatcaaa gagtcaccac tgcattgggac acaaaacacc atcaacaaga ggaccagcc 300  
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 gtgcttcata gacaggaatg ggaaggaggt cctgaagacc atgtggctgc tgcgggtcaag 420  
 tgttaatgac attggtgatg actggaaagc taccagggtc ggcatcaaca tcttctactg 480  
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<210> 4  
 <211> 152  
 <212> PRT  
 <213> Gallus gallus

<400> 4

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Ala Leu Val Ala Pro Gly Leu Ser Ala Arg Lys Cys Ser Leu Thr Gly  
20 25 30

Lys Trp Thr Asn Asp Leu Gly Ser Asn Met Thr Ile Gly Ala Val Asn  
35 40 45

Ser Arg Gly Glu Phe Thr Gly Thr Tyr Ile Thr Ala Val Thr Ala Thr  
50 55 60

Ser Asn Glu Ile Lys Glu Ser Pro Leu His Gly Thr Gln Asn Thr Ile  
65 70 75 80

Asn Lys Arg Thr Gln Pro Thr Phe Gly Phe Thr Val Asn Trp Lys Phe  
85 90 95

Ser Glu Ser Thr Thr Val Phe Thr Gly Gln Cys Phe Ile Asp Arg Asn  
100 105 110

Gly Lys Glu Val Leu Lys Thr Met Trp Leu Leu Arg Ser Ser Val Asn  
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Asp Ile Gly Asp Asp Trp Lys Ala Thr Arg Val Gly Ile Asn Ile Phe  
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Thr Arg Leu Arg Thr Gln Lys Glu  
145 150

<210> 5

<211> 399

<212> DNA

<213> Rattus norvegicus

<400> 5

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acgctgaaag ccgttatggt ctgaccgggtc gttacgactc tgctccgggt accgacgggtt 180

ctgggtactgc tctgggttgg accgttgctt ggaaaaaaca ctaccgtaac gctcactctg 240

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tgctgacctc tggtagaccacc gaagctaacg cttggaaatc taccctgggtt ggtagcagaca 360  
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<210> 6  
 <211> 278  
 <212> PRT  
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 20 25 30

Pro Ser Ser Gly Pro Arg Gly Pro Gly Gln Arg Arg Pro Pro Pro Pro  
 35 40 45

Pro Pro Pro Pro Ser Pro Leu Pro Pro Pro Ser Gln Pro Pro Pro Leu  
 50 55 60

Pro Pro Leu Ser Pro Leu Lys Lys Lys Asp Asn Ile Glu Leu Trp Leu  
 65 70 75 80

Pro Val Ile Phe Phe Met Val Leu Val Ala Leu Val Gly Met Gly Leu  
 85 90 95

Gly Met Tyr Gln Leu Phe His Leu Gln Lys Glu Leu Ala Glu Leu Arg  
 100 105 110

Glu Phe Thr Asn His Ser Leu Arg Val Ser Ser Phe Glu Lys Gln Ile  
 115 120 125

Ala Asn Pro Ser Thr Pro Ser Glu Thr Lys Lys Pro Arg Ser Val Ala  
 130 135 140

His Leu Thr Gly Asn Pro Arg Ser Arg Ser Ile Pro Leu Glu Trp Glu  
 145 150 155 160

Asp Thr Tyr Gly Thr Ala Leu Ile Ser Gly Val Lys Tyr Lys Lys Gly  
 165 170 175

Gly Leu Val Ile Asn Glu Ala Gly Leu Tyr Phe Val Tyr Ser Lys Val  
 180 185 190

Tyr Phe Arg Gly Gln Ser Cys Asn Ser Gln Pro Leu Ser His Lys Val  
 195 200 205

Tyr Met Arg Asn Phe Lys Tyr Pro Gly Asp Leu Val Leu Met Glu Glu  
 210 215 220

Lys Lys Leu Asn Tyr Cys Thr Thr Gly Gln Ile Trp Ala His Ser Ser  
 225 230 235 240

Tyr Leu Gly Ala Val Phe Asn Leu Thr Val Ala Asp His Leu Tyr Val  
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Asn Ile Ser Gln Leu Ser Leu Ile Asn Phe Glu Glu Ser Lys Thr Phe  
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Phe Gly Leu Tyr Lys Leu  
 275

<210> 7  
 <211> 972  
 <212> DNA  
 <213> Homo sapiens

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 cagctctccc tgggcccctc caggcacagt tcttcctgt ccaacctctg tgcccagaag 180  
 gcctgggtcaa aggaggccac caccaccacc gccaccgcca ccactaccac ctccgcccgc 240  
 gccgccacca ctgcctccac taccgctgcc acccctgaag aagagagggg accacagcac 300  
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 ggggatgttt cagctcttcc acctacagaa ggagctggca gaactccgag agtctaccag 420  
 ccagatgcac acagcatcat ctttgagaaa gcaaataagg caccaccagc caccacctga 480  
 aaaaaaggag ctgaggaaaag tggcccattht aacaggcaag tccaactcaa ggtccatgcc 540  
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 tggccttggtg atcaatgaaa ctgggctgta ctttgtatat tccaaagtat acttccgggg 660  
 tcaatcttgc aacaacctgc ccctgagcca caaggtctac atgaggaact ctaagtatcc 720  
 ccaggatctg gtgatgatgg aggggaagat gatgagctac tgcactactg ggcagatgtg 780  
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<210> 8  
 <211> 281  
 <212> PRT  
 <213> Homo sapiens

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 20 25 30

Pro Thr Ser Val Pro Arg Arg Pro Gly Gln Arg Arg Pro Pro Pro Pro  
 35 40 45

Pro Pro Pro Pro Pro Leu Pro Pro Pro Pro Pro Pro Pro Leu Pro  
 50 55 60

Pro Leu Pro Leu Pro Pro Leu Lys Lys Arg Gly Asn His Ser Thr Gly  
 65 70 75 80

Leu Cys Leu Leu Val Met Phe Phe Met Val Leu Val Ala Leu Val Gly  
 85 90 95

Leu Gly Leu Gly Met Phe Gln Leu Phe His Leu Gln Lys Glu Leu Ala  
 100 105 110

Glu Leu Arg Glu Ser Thr Ser Gln Met His Thr Ala Ser Ser Leu Glu  
 115 120 125

Lys Gln Ile Gly His Pro Ser Pro Pro Pro Glu Lys Lys Glu Leu Arg  
 130 135 140

Lys Val Ala His Leu Thr Gly Lys Ser Asn Ser Arg Ser Met Pro Leu  
 145 150 155 160

Glu Trp Glu Asp Thr Tyr Gly Ile Val Leu Leu Ser Gly Val Lys Tyr  
 165 170 175

Lys Lys Gly Gly Leu Val Ile Asn Glu Thr Gly Leu Tyr Phe Val Tyr

	180		185		190										
Ser	Lys	Val	Tyr	Phe	Arg	Gly	Gln	Ser	Cys	Asn	Asn	Leu	Pro	Leu	Ser
	195						200					205			
His	Lys	Val	Tyr	Met	Arg	Asn	Ser	Lys	Tyr	Pro	Gln	Asp	Leu	Val	Met
	210					215					220				
Met	Glu	Gly	Lys	Met	Met	Ser	Tyr	Cys	Thr	Thr	Gly	Gln	Met	Trp	Ala
225					230					235					240
Arg	Ser	Ser	Tyr	Leu	Gly	Ala	Val	Phe	Asn	Leu	Thr	Ser	Ala	Asp	His
				245					250					255	
Leu	Tyr	Val	Asn	Val	Ser	Glu	Leu	Ser	Leu	Val	Asn	Phe	Glu	Glu	Ser
			260					265					270		
Gln	Thr	Phe	Phe	Gly	Leu	Tyr	Lys	Leu							
	275						280								